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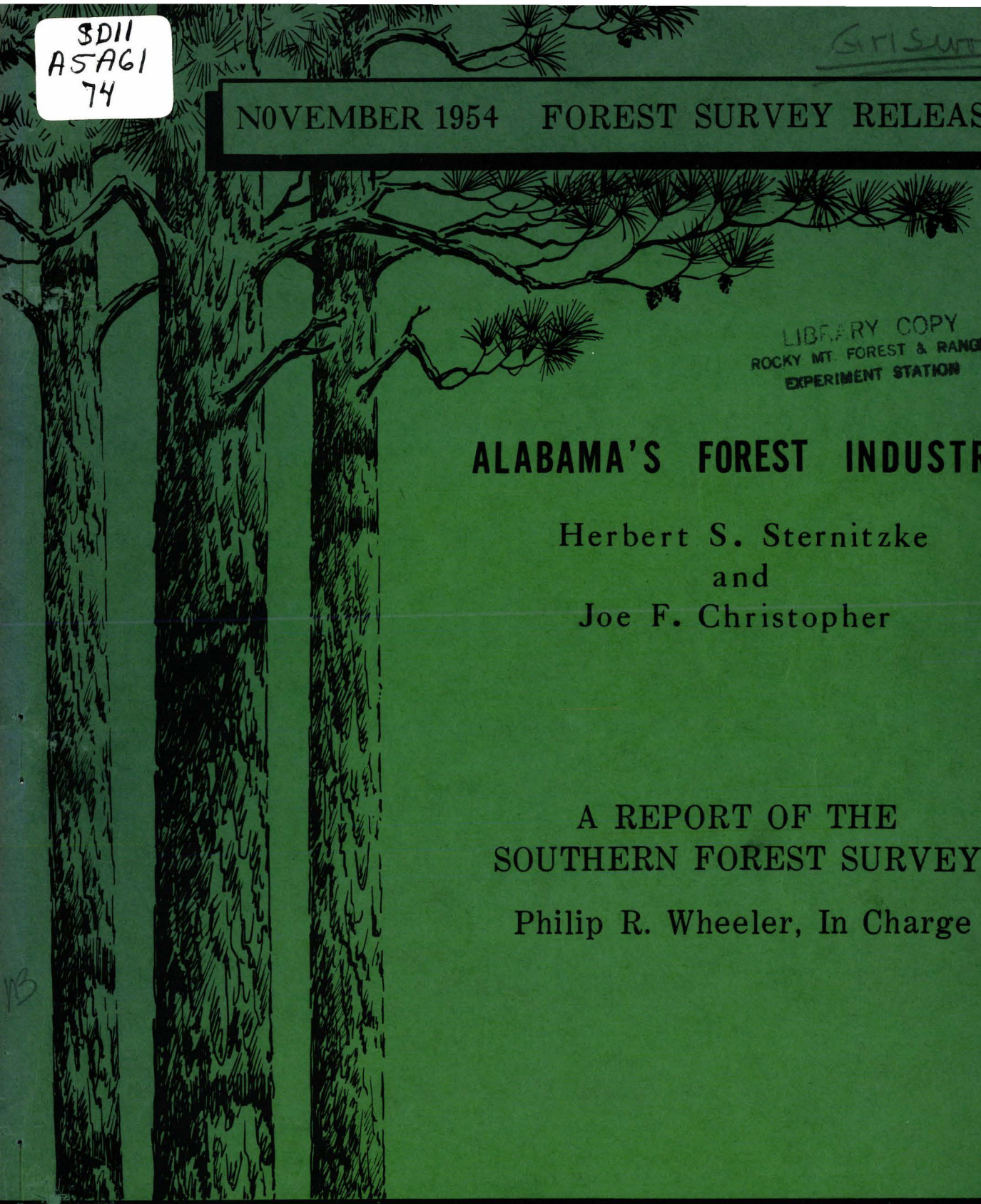

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ALABAMA'S FOREST INDUSTRY

Herbert S. Sternitzke
and
Joe F. Christopher

A REPORT OF THE
SOUTHERN FOREST SURVEY

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THE SOUTHERN FOREST SURVEY

The Southern Forest Survey, an activity of the Southern Forest Experiment Station, covers the seven States of the Station's territory--Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas. This Survey is a part of the nation-wide Forest Survey authorized by the McSweeney-McNary Forest Research Act of 1928. Its five-fold purpose is (1) to take inventory of the supply of standing timber and other forest products; (2) to ascertain the rate at which this supply is being increased through growth; (3) to determine the rate at which this supply is being diminished through industrial and local use, and by fire, insects, disease, and other agencies; (4) to estimate the present requirements and the probable future trend in the requirements for timber and other forest products; and (5) to correlate these findings with existing and anticipated economic conditions, in order that policies may be formulated for the effective use of lands suitable for forest production.

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Forest Survey regions in Alabama.

ALABAMA'S FOREST INDUSTRY

Herbert S. Sternitzke and Joe F. Christopher
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Alabama is known as the Cotton State. But much of Alabama's economy is also tied to timber; the manufacture of products derived from the State's forests is a leading source of income. In value added by manufacture, forest industries are outranked only by metal industries and textiles. Conversion of raw timber products into finished items also furnishes a livelihood to some 50,000 workers--one in every five persons employed in Alabama's manufacturing industries.

Output of Timber Products Nearly 570 Million Cubic Feet

Production of timber commodities in 1951 1/ totaled 568 million cubic feet--368 million of softwood, 200 million of hardwood.

Sawlogs are still the chief product of Alabama's forests, taking almost three-fifths of the softwood output and half the hardwood (table 1). Pine pulpwood and fuelwood also rank high. These three products account for 90 percent of the timber output. Numerous other items, notably hardwood veneer logs, slack cooperage bolts, pine poles and piling, mine timbers, and hardwood fence posts make up the rest.

Alabama leads Mid-South's lumber production. --Alabama produces about one-quarter of the yearly cut of lumber in the Mid-South, i.e., in Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas.

In 1951 the production of sawlogs for lumber (including sawn crossties) from Alabama's forests was almost 2 billion board feet. Softwood totaled 1.3 billion; hardwood, 0.7 billion. Virtually all of the softwood was southern pine, but some redcedar and cypress was also cut. Oak, gum, and yellow-poplar made up nine-tenths of the hardwood output.

1/ Data on 1951 timber production were compiled as one phase of the new Forest Survey of Alabama.

Table 1.--Output of round and split timber, 1951

Product	All species	Softwood	Hardwood
	- - - - - - Percent - - - - - -		
Sawlogs	55	57	50
Veneer	2	(1/)	7
Cooperage	2	3	1
Pulpwood	19	29	(1/)
Fuelwood	16	6	34
Poles and piling	2	3	...
Posts	2	1	4
All other	2	1	4
Total	100	100	100

1/ Negligible.

The larger part of the lumber cut in Alabama has always been pine (fig. 1). Prior to 1942, hardwood seldom accounted for more than one-sixth of the total annual lumber output. But during World War II, hardwood production mounted rapidly. Since 1944, hardwood has made up about three-tenths of the State's annual lumber production. That Alabama's present lumber cut has approached the peaks of the 1920's is due in part to the big boost in hardwood manufacture.

Pulpwood cut hits new high.--The most significant feature of Alabama's wood-using industry in recent years has been the great increase in pulpwood production. From less than 300,000 cords in 1938, production rose to 1.4 million cords in 1951--an average increase of 86,000 cords a year (fig. 2).

A new development likely to modify the pattern of pulpwood procurement somewhat is the use of coarse sawmill waste for pulp chips. A half dozen or more installations for producing chips from bark-free material are now operating in Alabama and more are in prospect.

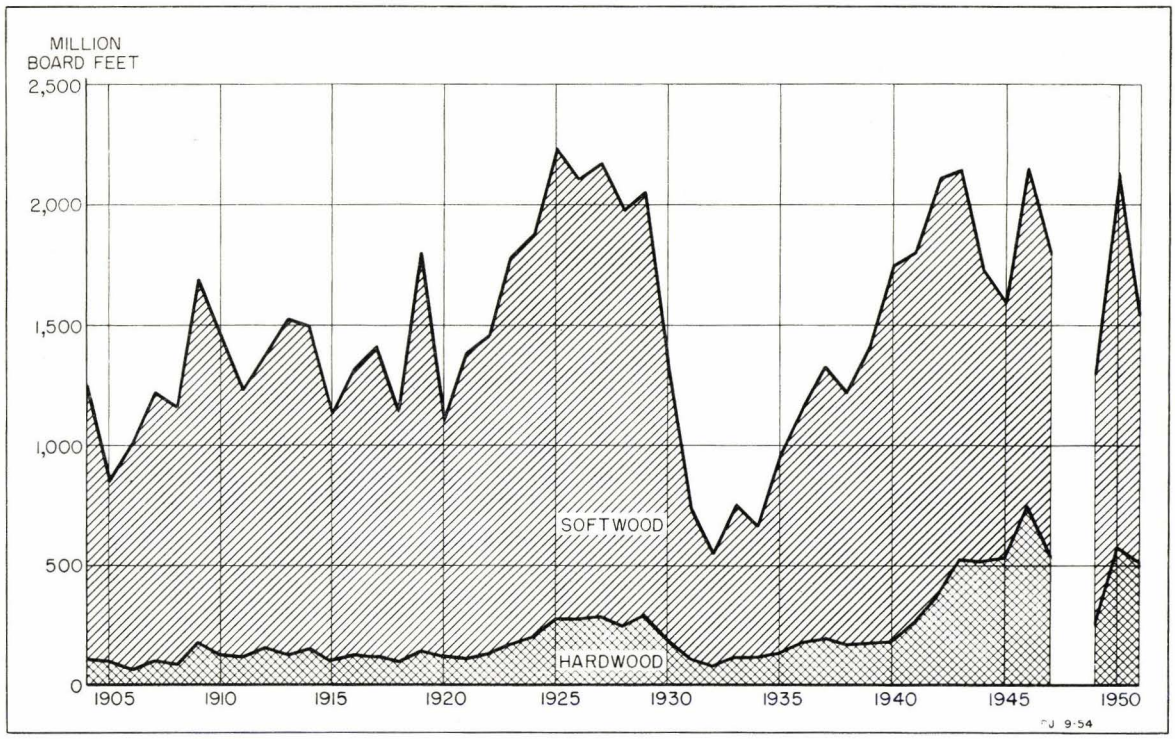

Figure 1. --Lumber production in Alabama.

Veneer output growing. --Veneer manufacture is a growing industry in Alabama. The 1951 veneer log output was 60 percent greater than reported by the initial Forest Survey in 1937; the number of veneer mills has increased by one-third.

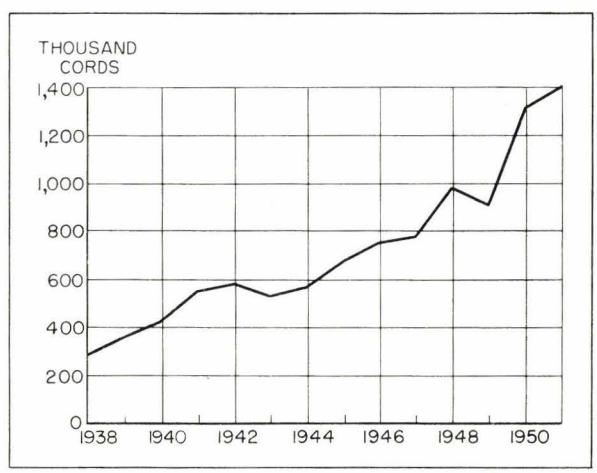

Figure 2. --Pulpwood production in Alabama.

Alabama's forests supplied 96 million board feet of veneer logs during 1951, a little more than 2 percent of the total timber output. Virtually all of the production was hardwood--chiefly sweetgum, black and tupelo gums, and yellow-poplar.

The industry's 42 active plants are concentrated in the southern part of the State (fig. 3). Most of the veneer produced is for packaging (such as fruit crates), but some commercial and face veneers are also manufactured.

Cooperage production climbs.--Cooperage logs and bolts cut in Alabama totaled 86 million board feet in 1951. Tight cooperage, all white oak, made up 7 percent of the production. Southern pine provided nine-tenths of the slack cooperage; hardwood cut for slack cooperage was mainly yellow-poplar.

Most tight cooperage outfits are in north Alabama, in the valley of the Tennessee River. Slack cooperage plants are concentrated in the Southwest and North Central regions; they largely turn out heading and staves for hardware kegs.

Although the cooperage industry has faced increasing competition from other forms of containers in recent decades, the 1951 production in Alabama was more than double the 1937 output.

Hardwood mine prop use increases.--Over 4 million cubic feet of round timbers were cut for mine props in 1951.

Regionwide, mine prop production is greatest in the North Central region (the territory around Birmingham), which accounted for two-thirds of the 1951 output. Almost all of the props are for underground coal mines; supporting the overburden with metal pins, a relatively new practice, has virtually eliminated wood props in ore mines.

The proportion of hardwood props used by Alabama mines has increased markedly. It is estimated that in 1945 two-thirds to three-quarters of the total volume of props was pine. Of the 1951 output, over half was hardwood.

Fuelwood a major product.--Wood for fuel is still a major product in terms of volume, but its use has been decreasing. The 1.2 million cords cut in 1951 accounted for 16 percent of Alabama's total output of timber; in 1937, the Forest Survey estimated fuelwood production at 4.6 million cords.

All other products cut in 1951 furnished only 5 percent of Alabama's timber output. Of these, fence posts and pine poles were the leading items.

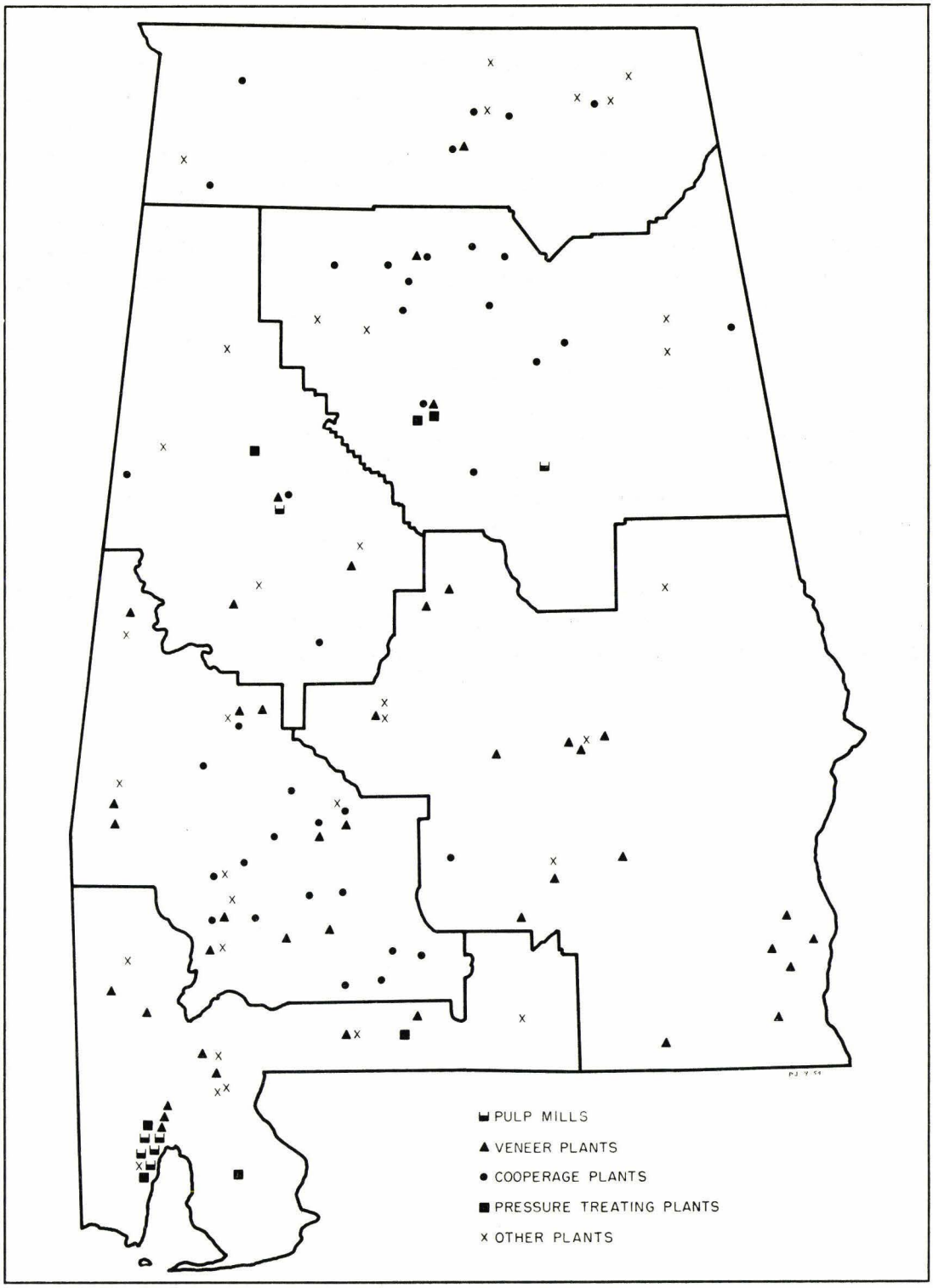

Figure 3.--Location of non-lumber plants that process raw forest products, 1951.

Gum Naval Stores Output Declines

Crude gum production in 1951 totaled 59,000 barrels. Baldwin and Washington counties together provided almost 70 percent of the total.

Production of gum naval stores has dropped considerably since the middle nineteen-thirties. This is partially reflected in the smaller number of turpentined pines. When the initial Forest Survey of the naval stores region (Southwest-South Alabama) was made in 1935, 17 million trees were found on which some turpentine work had been done; when the 1953 resurvey was made, only 6 million trees were faced.

Stump Removal for Wood Naval Stores Hits Peak

Removal of resinous stumpwood of old-growth longleaf and slash pines for wood naval stores averaged 162,000 tons annually from 1946 to 1952, according to Alabama severance tax data. In 1951, the peak year, 231,000 tons were removed from the ground.

Alabama's stumpwood supply is estimated at roughly 10 million tons. At the present rate of use, therefore, it appears that the remaining tonnage is enough for many more years of operation.

Table 2.--Total log and bolt production by Survey region, 1951

Product	Standard unit	State of Alabama	North	North Central	West Central	Southeast	Southwest - North	Southwest - South
Softwood:								
Sawlogs	MBM[1/]	1,284,618	76,594	247,672	169,140	347,130	310,529	133,553
Veneer	MBM[1/]	507	...	...	...	507	...	...
Cooperage	MBM[1/]	72,905	...	29,052	5,042	1,759	37,052	...
Pulpwood	Std. cords[2/]	1,392,180	10,358	159,856	203,428	419,887	255,914	342,737
Fuelwood	Std. cords[2/]	294,692	57,371	104,364	17,935	55,882	27,457	31,683
Piling	M linear feet	3,087	...	10	32	308	2,400	337
Poles	M pieces	401	7	14	27	37	164	152
Posts	M pieces	5,295	743	1,437	665	1,422	523	505
Hewn ties	M pieces	45	...	...	...	24	17	4
Mine timbers	M cu. ft.	2,049	...	1,356	274	...	...	419
Misc. products	M cu. ft.	1,952	130	420	134	542	542	184
Hardwood:								
Sawlogs	MBM[1/]	660,115	56,698	83,878	106,046	217,063	150,533	45,897
Veneer	MBM[1/]	95,268	4,825	3,025	6,981	22,889	31,264	26,284
Cooperage	MBM[1/]	13,349	5,472	1,480	3,015	14	3,368	...
Pulpwood	Std. cords[2/]	14,027	...	43	7,084	2,980	2,491	1,429
Fuelwood	Std. cords[2/]	908,604	184,434	182,463	78,663	286,597	130,542	45,905
Piling	M linear feet	...	...	...	...	...	...	...
Poles	M pieces	...	...	...	...	...	...	...
Posts	M pieces	11,471	2,815	2,285	1,413	3,152	1,162	644
Hewn ties	M pieces	292	4	7	4	185	70	22
Mine timbers	M cu. ft.	2,220	...	1,468	297	...	...	455
Misc. products	M cu. ft.	3,462	1,071	436	401	690	778	86

1/ International 1/4-inch rule.
2/ Rough wood basis.

Table 3.--Total log and bolt production by Survey region, 1951

Species group and product	State of Alabama	North	North Central	West Central	Southeast	Southwest - North	Southwest - South
			Thousand cubic feet				
Softwood:							
Sawlogs	210,934	12,577	40,668	27,773	56,998	50,989	21,929
Veneer	70	...	...	...	70	...	...
Cooperage	11,971	...	4,770	828	289	6,084	...
Pulpwood	104,970	781	12,053	15,338	31,660	19,296	25,842
Fuelwood	22,220	4,326	7,869	1,352	4,214	2,070	2,389
Piling	2,220	...	7	23	222	1,726	242
Poles	7,960	139	278	536	734	3,256	3,017
Posts	3,421	480	928	430	919	338	326
Hewn ties	316	...	...	...	169	119	28
Mine timbers	2,049	...	1,356	274	...	...	419
Misc. products	1,952	130	420	134	542	542	184
Total	368,083	18,433	68,349	46,688	95,817	84,420	54,376
Hardwood:							
Sawlogs	99,941	8,584	12,699	16,055	32,863	22,791	6,949
Veneer	13,338	676	424	977	3,204	4,377	3,680
Cooperage	1,911	789	211	430	2	479	...
Pulpwood	1,091	...	3	551	232	194	111
Fuelwood	68,145	13,832	13,685	5,900	21,494	9,791	3,443
Poles and piling	...	...	...	...	...	...	...
Posts	7,410	1,819	1,476	913	2,036	750	416
Hewn ties	2,050	28	49	28	1,299	492	154
Mine timbers	2,220	...	1,468	297	...	...	455
Misc. products	3,462	1,071	436	401	690	778	86
Total	199,568	26,799	30,451	25,552	61,820	39,652	15,294
All products	567,651	45,232	98,800	72,240	157,637	124,072	69,670

Table 4.--Cooperage bolt production by county, 1951

County	All species	County	All species
	Million bd. ft. (International 1/4-inch log rule)		
Autauga	...	Jackson	2.4
Baldwin	...	Jefferson	.3
Barbour	...	Lamar	.1
Bibb	...	Lauderdale	.5
Blount	7.4	Lawrence	.3
Bullock	...	Lee	...
Butler	1.8	Limestone	.2
Calhoun	...	Lowndes	...
Chambers	...	Macon	...
Cherokee	...	Madison	1.2
Chilton	...	Marengo	5.4
Choctaw	...	Marion	(1/)
Clarke	12.1	Marshall	.1
Clay	...	Mobile	...
Cleburne	2.2	Monroe	3.5
Coffee	...	Montgomery	...
Colbert	(1/)	Morgan	.3
Conecuh	9.6	Perry	2.8
Coosa	...	Pickens	.3
Covington	...	Pike	...
Crenshaw	...	Randolph	...
Cullman	14.3	Russell	...
Dale	...	Saint Clair	2.6
Dallas	...	Shelby	2.5
DeKalb	.2	Sumter	...
Elmore	...	Talladega	...
Escambia	...	Tallapoosa	2.5
Etowah	...	Tuscaloosa	...
Fayette	.1	Walker	(1/)
Franklin	.3	Washington	...
		Wilcox	9.8
Geneva	...	Winston	1.2
Greene	2.3		
Hale	...	Total	86.3
Henry	...		
Houston	...		

1/ Negligible.

Table 5.--Sawlog production by county, 1951

County	All species	Softwood	Hardwood
	Million bd. ft. (International 1/4-inch log rule)		
Autauga	14.2	9.4	4.8
Baldwin	47.1	30.7	16.4
Barbour	44.7	30.1	14.6
Bibb	29.8	22.8	7.0
Blount	18.5	16.5	2.0
Bullock	17.2	9.3	7.9
Butler	67.9	46.0	21.9
Calhoun	8.4	7.3	1.1
Chambers	17.5	11.4	6.1
Cherokee	19.1	12.1	7.0
Chilton	24.1	18.8	5.3
Choctaw	77.5	57.5	20.0
Clarke	109.9	71.2	38.7
Clay	19.1	12.6	6.5
Cleburne	14.1	9.9	4.2
Coffee	24.7	14.3	10.4
Colbert	10.9	6.7	4.2
Conecuh	36.5	28.3	8.2
Coosa	30.5	22.0	8.5
Covington	35.0	24.3	10.7
Crenshaw	53.2	25.3	27.9
Cullman	22.8	19.0	3.8
Dale	19.9	10.1	9.8
Dallas	58.1	31.9	26.2
DeKalb	20.2	16.2	4.0
Elmore	28.3	22.2	6.1
Escambia	30.4	24.5	5.9
Etowah	12.3	8.6	3.7
Fayette	28.1	17.5	10.6
Franklin	21.5	11.2	10.3
Geneva	13.7	8.6	5.1
Greene	19.7	14.9	4.8
Hale	22.4	15.3	7.1
Henry	18.1	10.3	7.8
Houston	17.4	9.9	7.5

Table 5.--Sawlog production by county, 1951 (continued)

County	All species	Softwood	Hardwood
	Million bd. ft. (International 1/4-inch log rule)		
Jackson	29.9	12.7	17.2
Jefferson	44.0	32.3	11.7
Lamar	22.9	11.6	11.3
Lauderdale	8.9	3.3	5.6
Lawrence	13.8	9.2	4.6
Lee	18.9	13.1	5.8
Limestone	2.1	1.2	.9
Lowndes	17.3	11.5	5.8
Macon	13.5	8.8	4.7
Madison	6.6	1.7	4.9
Marengo	68.2	33.9	34.3
Marion	22.4	14.2	8.2
Marshall	8.9	7.1	1.8
Mobile	27.2	22.9	4.3
Monroe	70.4	47.7	22.7
Montgomery	22.5	12.4	10.1
Morgan	10.5	7.3	3.2
Perry	21.8	17.4	4.4
Pickens	50.8	24.7	26.1
Pike	31.6	13.8	17.8
Randolph	12.6	9.3	3.3
Russell	17.1	12.5	4.6
St. Clair	17.2	12.7	4.5
Shelby	26.7	20.1	6.6
Sumter	38.4	26.8	11.6
Talladega	15.1	11.9	3.2
Tallapoosa	24.3	17.4	6.9
Tuscaloosa	57.2	30.7	26.5
Walker	39.3	31.4	7.9
Washington	39.7	31.1	8.6
Wilcox	60.2	45.2	15.0
Winston	31.9	22.0	9.9
Total	1,944.7	1,284.6	660.1

Table 6.--Veneer log production by county, 1951

County	All species	Softwood	Hardwood
	Million bd. ft. (International 1/4-inch log rule)		
Autauga	0.4	...	0.4
Baldwin	10.2	...	10.2
Barbour	...	...	...
Bibb	1.4	...	1.4
Blount	(1/)	...	(1/)
Bullock	.3	...	.3
Butler	...	...	...
Calhoun	...	...	...
Chambers	...	...	...
Cherokee	.2	...	.2
Chilton	1.1	...	1.1
Choctaw	5.7	...	5.7
Clarke	8.1	...	8.1
Clay	.1	...	.1
Cleburne	.1	...	.1
Coffee	...	...	...
Colbert	(1/)	...	(1/)
Conecuh	1.9	...	1.9
Coosa	.1	...	.1
Covington	1.1	...	1.1
Crenshaw	1.9	.1	1.8
Cullman	.1	...	.1
Dale	...	...	...
Dallas	1.6	...	1.6
DeKalb	(1/)	...	(1/)
Elmore	.8	...	.8
Escambia	5.3	...	5.3
Etowah	(1/)	...	(1/)
Fayette	.4	...	.4
Franklin	(1/)	...	(1/)
Geneva	.7	...	.7
Greene	.6	...	.6
Hale	1.3	...	1.3
Henry	4.6	(1/)	4.6
Houston	.9	...	.9

Table 6.--Veneer log production by county, 1951 (continued)

County	All species	Softwood	Hardwood
	Million bd. ft. (International 1/4-inch log rule)		
Jackson	1.5	...	1.5
Jefferson	.6	...	.6
Lamar	(1/)	...	(1/)
Lauderdale	.4	...	.4
Lawrence	.5	...	.5
Lee	...	...	...
Limestone	1.3	...	1.3
Lowndes	2.5	...	2.5
Macon	.8	...	.8
Madison	.2	...	.2
Marengo	.8	...	.8
Marion	(1/)	...	(1/)
Marshall	(1/)	...	(1/)
Mobile	2.1	...	2.1
Monroe	3.5	...	3.5
Montgomery	7.1	...	7.1
Morgan	.9	...	.9
Perry	.9	...	.9
Pickens	.5	...	.5
Pike	.7	.4	.3
Randolph	(1/)	...	(1/)
Russell	(1/)	...	(1/)
Saint Clair	(1/)	...	(1/)
Shelby	1.2	...	1.2
Sumter	3.8	...	3.8
Talladega	.2	...	.2
Tallapoosa	(1/)	...	(1/)
Tuscaloosa	1.9	...	1.9
Walker	.3	...	.3
Washington	7.6	...	7.6
Wilcox	7.5	...	7.5
Winston	.1	...	.1
Total	95.8	0.5	95.3

1/ Negligible.

Table 7.--Pulpwood production by county, 1951

County	All species	Softwood	Hardwood
	Standard cords		
Autauga	1,688	1,688	...
Baldwin	131,615	131,367	248
Barbour	14,498	14,498	...
Bibb	31,647	30,738	909
Blount	13,869	13,869	...
Bullock	18,030	18,030	...
Butler	38,606	38,114	492
Calhoun	5,031	5,031	...
Chambers	30,372	30,372	...
Cherokee	2,443	2,443	...
Chilton	11,715	9,476	2,239
Choctaw	41,334	40,763	571
Clarke	49,314	49,154	160
Clay	11,772	11,772	...
Cleburne	4,861	4,861	...
Coffee	26,265	26,265	...
Colbert	116	116	...
Conecuh	15,511	15,362	149
Coosa	28,990	28,990	...
Covington	26,215	26,073	142
Crenshaw	12,164	12,164	...
Cullman	3,564	3,564	...
Dale	10,401	10,401	...
Dallas	27,807	27,603	204
DeKalb	1,950	1,950	...
Elmore	36,676	36,676	...
Escambia	31,248	30,387	861
Etowah	7,286	7,286	...
Fayette	40,930	35,896	5,034
Franklin	1,256	1,256	...
Geneva	6,457	6,457	...
Greene	9,690	9,645	45
Hale	16,968	16,834	134
Henry	8,030	8,030	...
Houston	6,038	6,038	...

Table 7.--Pulpwood production by county, 1951 (continued)

County	All species	Softwood	Hardwood
	Standard cords		
Jackson	342	342	...
Jefferson	3,841	3,841	...
Lamar	5,468	4,874	594
Lauderdale	...	...	...
Lawrence	133	133	...
Lee	37,068	37,068	...
Limestone	14	14	...
Lowndes	23,591	23,558	33
Macon	23,536	23,536	...
Madison	128	128	...
Marengo	40,905	40,352	553
Marion	9,970	9,715	255
Marshall	5,250	5,250	...
Mobile	85,292	85,227	65
Monroe	48,832	48,226	606
Montgomery	33,004	33,004	...
Morgan	1,169	1,169	...
Perry	16,927	16,854	73
Pickens	17,985	17,945	40
Pike	17,728	17,728	...
Randolph	11,235	11,235	...
Russell	11,801	11,789	12
St. Clair	17,342	17,342	...
Shelby	22,778	22,778	...
Sumter	22,076	21,874	202
Talladega	10,124	10,124	...
Tallapoosa	27,392	27,392	...
Tuscaloosa	60,927	60,927	...
Walker	13,812	13,812	...
Washington	69,796	69,683	113
Wilcox	40,433	40,183	250
Winston	2,951	2,908	43
Total	1,406,207	1,392,180	14,027

Table 8.--Fuelwood production by county, 1951

County	All species	Softwood	Hardwood
	Standard cords		
Autauga	10,668	1,741	8,927
Baldwin	18,574	7,584	10,990
Barbour	17,920	2,924	14,996
Bibb	6,112	1,098	5,014
Blount	19,652	6,921	12,731
Bullock	9,798	1,599	8,199
Butler	17,902	2,921	14,981
Calhoun	32,707	12,207	20,500
Chambers	9,164	1,495	7,669
Cherokee	16,683	6,226	10,457
Chilton	17,126	2,794	14,332
Choctaw	19,223	3,340	15,883
Clarke	24,319	4,226	20,093
Clay	13,239	4,941	8,298
Cleburne	11,955	4,462	7,493
Coffee	17,014	2,776	14,238
Colbert	17,339	4,114	13,225
Conecuh	19,724	3,428	16,296
Coosa	10,813	4,036	6,777
Covington	13,505	5,515	7,990
Crenshaw	15,545	2,536	13,009
Cullman	31,495	11,091	20,404
Dale	11,844	1,933	9,911
Dallas	25,038	4,085	20,953
DeKalb	32,733	7,766	24,967
Elmore	19,814	3,233	16,581
Escambia	11,448	4,675	6,773
Etowah	30,088	11,229	18,859
Fayette	7,282	1,307	5,975
Franklin	15,539	3,687	11,852
Geneva	17,679	2,885	14,794
Greene	9,924	1,888	8,036
Hale	12,175	2,317	9,858
Henry	15,375	2,509	12,866
Houston	20,367	3,323	17,044

Table 8.--Fuelwood production by county, 1951 (continued)

County	All species	Softwood	Hardwood
	Standard cords		
Jackson	28,527	6,768	21,759
Jefferson	21,110	7,434	13,676
Lamar	10,019	1,906	8,113
Lauderdale	24,435	5,797	18,638
Lawrence	23,087	5,478	17,609
Lee	14,685	2,396	12,289
Limestone	24,513	5,816	18,697
Lowndes	13,342	2,177	11,165
Macon	18,464	3,013	15,451
Madison	24,436	5,798	18,638
Marengo	24,090	4,186	19,904
Marion	13,263	2,380	10,883
Marshall	27,238	6,463	20,775
Mobile	25,751	10,515	15,236
Monroe	22,931	3,985	18,946
Montgomery	23,127	3,774	19,353
Morgan	23,958	5,684	18,274
Perry	10,450	1,988	8,462
Pickens	12,706	2,418	10,288
Pike	15,263	2,490	12,773
Randolph	16,173	6,036	10,137
Russell	13,547	2,211	11,336
St. Clair	16,478	5,803	10,675
Shelby	18,250	6,427	11,823
Sumter	24,454	4,250	20,204
Talladega	27,648	10,319	17,329
Tallapoosa	18,797	3,067	15,730
Tuscaloosa	14,667	2,633	12,034
Walker	9,048	3,186	5,862
Washington	8,310	3,394	4,916
Wilcox	23,258	4,042	19,216
Winston	11,488	4,046	7,442
Total	1,203,296	294,692	908,604

Table 9.--Pole and piling production by county, 1951

County	All species	Softwood	Hardwood
	Thousand pieces		
Autauga	1	1	...
Baldwin	27	27	...
Barbour	...	...	...
Bibb	2	2	...
Blount	...	...	...
Bullock	...	...	...
Butler	23	23	...
Calhoun	1	1	...
Chambers	...	...	...
Cherokee	...	...	...
Chilton	1	1	...
Choctaw	2	2	...
Clarke	96	96	...
Clay	...	...	...
Cleburne	...	...	...
Coffee	...	...	...
Colbert	1	1	...
Conecuh	15	15	...
Coosa	2	2	...
Covington	6	6	...
Crenshaw	2	2	...
Cullman	...	...	...
Dale	...	...	...
Dallas	(1/)	(1/)	...
DeKalb	...	...	...
Elmore	2	2	...
Escambia	28	28	...
Etowah	...	...	...
Fayette	...	...	...
Franklin	...	...	...
Geneva	6	6	...
Greene	...	...	...
Hale	...	...	...
Henry	...	...	...
Houston	...	...	...

Table 9.--Pole and piling production by county, 1951 (continued)

County	All species	Softwood	Hardwood
	Thousand pieces		
Jackson	...	...	...
Jefferson	4	4	...
Lamar	...	...	...
Lauderdale	...	...	...
Lawrence	...	...	...
Lee	...	...	...
Limestone	...	...	...
Lowndes	6	6	...
Macon	...	...	...
Madison	...	...	...
Marengo	11	11	...
Marion	...	...	...
Marshall	6	6	...
Mobile	31	31	...
Monroe	59	59	...
Montgomery	1	1	...
Morgan	...	...	...
Perry	24	24	...
Pickens	1	1	...
Pike	...	...	...
Randolph	...	...	...
Russell	...	...	...
Saint Clair	...	...	...
Shelby	5	5	...
Sumter	27	27	...
Talladega	...	...	...
Tallapoosa	3	3	...
Tuscaloosa	1	1	...
Walker	...	...	...
Washington	68	68	...
Wilcox	13	13	...
Winston	2	2	...
Total	477	477	...

1/ Negligible.

Table 10.--Post production (round and split) by county, 1951

County	All species	Softwood	Hardwood
	Thousand pieces		
Autauga	155	53	102
Baldwin	297	151	146
Barbour	220	64	156
Bibb	117	35	82
Blount	366	137	229
Bullock	147	43	104
Butler	221	64	157
Calhoun	189	71	118
Chambers	191	55	136
Cherokee	218	81	137
Chilton	271	86	185
Choctaw	204	63	141
Clarke	222	69	153
Clay	169	63	106
Cleburne	130	49	81
Coffee	266	77	189
Colbert	164	34	130
Conecuh	218	68	150
Coosa	187	108	79
Covington	306	120	186
Crenshaw	207	60	147
Cullman	599	224	375
Dale	151	44	107
Dallas	348	100	248
DeKalb	545	113	432
Elmore	333	149	184
Escambia	166	61	105
Etowah	288	107	181
Fayette	200	61	139
Franklin	225	47	178
Geneva	213	61	152
Greene	208	63	145
Hale	227	69	158
Henry	180	52	128
Houston	268	77	191

Table 10.--Post production (round and split) by county, 1951 (continued)

County	All species	Softwood	Hardwood
	Thousand pieces		
Jackson	385	80	305
Jefferson	259	97	162
Lamar	206	62	144
Lauderdale	352	73	279
Lawrence	320	66	254
Lee	159	46	113
Limestone	346	72	274
Lowndes	220	72	148
Macon	204	66	138
Madison	388	82	306
Marengo	297	92	205
Marion	289	88	201
Marshall	469	99	370
Mobile	250	125	125
Monroe	242	75	167
Montgomery	239	77	162
Morgan	364	77	287
Perry	244	109	135
Pickens	267	81	186
Pike	229	66	163
Randolph	239	89	150
Russell	145	42	103
St. Clair	153	57	96
Shelby	171	64	107
Sumter	237	74	163
Talladega	242	98	144
Tallapoosa	207	68	139
Tuscaloosa	320	97	223
Walker	336	126	210
Washington	130	48	82
Wilcox	265	82	183
Winston	176	66	110
Total	16,766	5,295	11,471

Table 11.--Hewn tie production by county, 1951

County	All species	Softwood	Hardwood
	Thousand pieces		
Autauga	1	...	1
Baldwin	2	...	2
Barbour	...	...	...
Bibb	1	...	1
Blount	...	...	...
Bullock	7	1	6
Butler	6	1	5
Calhoun	...	...	...
Chambers	...	...	...
Cherokee	...	...	...
Chilton	2	1	1
Choctaw	23	5	18
Clarke	27	6	21
Clay	...	...	...
Cleburne	...	...	...
Coffee	1	...	1
Colbert	...	...	...
Conecuh	2	...	2
Coosa	1	...	1
Covington	9	...	9
Crenshaw	156	17	139
Cullman	...	...	...
Dale	6	...	6
Dallas	4	1	3
DeKalb	...	...	...
Elmore	...	...	...
Escambia	3	...	3
Etowah	...	...	...
Fayette	...	...	...
Franklin	2	...	2
Geneva	2	...	2
Greene	...	...	...
Hale	...	...	...
Henry	...	...	...
Houston	...	...	...

Table 11.--Hewn tie production by county, 1951 (continued)

County	All species	Softwood	Hardwood
	Thousand pieces		
Jackson	1	...	1
Jefferson	1	...	1
Lamar	1	...	1
Lauderdale	1	...	1
Lawrence	...	...	...
Lee	...	...	...
Limestone	...	...	...
Lowndes	1	...	1
Macon	1	...	1
Madison	...	...	...
Marengo	27	4	23
Marion	1	...	1
Marshall	...	...	...
Mobile	...	...	...
Monroe	3	1	2
Montgomery	7	1	6
Morgan	...	...	...
Perry	...	...	...
Pickens	...	...	...
Pike	14	2	12
Randolph	...	...	...
Russell	...	...	...
Saint Clair	1	...	1
Shelby	1	...	1
Sumter	2	1	1
Talladega	...	...	...
Tallapoosa	1	...	1
Tuscaloosa	1	...	1
Walker	1	...	1
Washington	12	4	8
Wilcox	3	...	3
Winston	2	...	2
Total	337	45	292

Table 12.--Round mine timbers production by county, 1951

County	All species	Softwood	Hardwood
	Thousand pieces		
Baldwin	211	101	110
Bibb	74	36	38
Escambia	15	7	8
Jefferson	2,177	1,045	1,132
Marion	386	185	201
Mobile	323	155	168
Shelby	1	...	1
Tuscaloosa	69	33	36
Walker	438	211	227
Washington	260	125	135
Total	3,954	1,898	2,056

Table 13.--Production of miscellaneous products[1/] by county, 1951

County	All species	Softwood	Hardwood
	Thousand cu. ft.		
Autauga	30	17	13
Baldwin	72	41	31
Barbour	45	27	18
Bibb	29	8	21
Blount	84	36	48
Bullock	30	18	12
Butler	67	27	40
Calhoun	76	54	22
Chambers	55	23	32
Cherokee	45	21	24
Chilton	55	32	23
Choctaw	166	35	131
Clarke	96	37	59
Clay	42	17	25
Cleburne	44	30	14
Coffee	55	33	22
Colbert	35	6	29
Conecuh	66	36	30
Coosa	33	12	21
Covington	69	53	16
Crenshaw	47	25	22
Cullman	122	58	64
Dale	31	18	13
Dallas	173	43	130
DeKalb	112	20	92
Elmore	53	32	21
Escambia	43	30	13
Etowah	59	28	31
Fayette	61	13	48
Franklin	46	8	38
Geneva	44	26	18
Greene	42	14	28
Hale	47	15	32
Henry	37	22	15
Houston	55	33	22

Table 13.--Production of miscellaneous products[1/] by county, 1951 (continued)

County	All species	Softwood	Hardwood
		Thousand cu. ft.	
Jackson	340	14	326
Jefferson	53	25	28
Lamar	51	14	37
Lauderdale	72	13	59
Lawrence	74	12	62
Lee	32	19	13
Limestone	80	13	67
Lowndes	141	26	115
Macon	40	24	16
Madison	119	14	105
Marengo	282	51	231
Marion	85	19	66
Marshall	121	17	104
Mobile	40	36	4
Monroe	50	41	9
Montgomery	118	28	90
Morgan	202	13	189
Perry	58	13	45
Pickens	97	17	80
Pike	47	28	19
Randolph	49	23	26
Russell	29	17	12
Saint Clair	31	15	16
Shelby	35	17	18
Sumter	288	40	248
Talladega	59	34	25
Tallapoosa	48	24	24
Tuscaloosa	65	21	44
Walker	88	33	55
Washington	46	24	22
Wilcox	372	302	70
Winston	36	17	19
Total	5,414	1,952	3,462

1/ Includes handle stock, miscellaneous dimension stock, shuttle blocks, excelsior, and miscellaneous domestic products.

Table 14.--Crude gum production by county, 1951

County	Barrels[1/]
Baldwin	14,796
Covington	4,233
Escambia	1,665
Geneva	441
Houston	1,958
Mobile	7,179
Monroe	2,460
Washington	26,070
Total	58,802

1/ Units of 400 pounds.

Table 15.--Stumpwood removal by county, 1951

County	Tons
Baldwin	14,267
Choctaw	9,623
Clarke	12,082
Conecuh	17,082
Covington	1,300
Escambia	32,954
Mobile	39,291
Monroe	17
Washington	104,746
Total	231,362

Table 16.--Annual cut of sawtimber[1/] by county, 1951

County	All species	Softwood	Hardwood
	Million bd. ft. (International 1/4-inch log rule)		
Autauga	16.4	9.7	6.7
Baldwin	75.5	46.4	29.1
Barbour	47.4	30.7	16.7
Bibb	34.4	25.0	9.4
Blount	30.4	25.7	4.7
Bullock	20.7	11.0	9.7
Butler	76.8	52.7	24.1
Calhoun	15.4	11.0	4.4
Chambers	21.4	14.0	7.4
Cherokee	22.2	13.5	8.7
Chilton	28.8	19.7	9.1
Choctaw	90.3	59.8	30.5
Clarke	149.1	96.6	52.5
Clay	22.2	14.4	7.8
Cleburne	18.6	13.1	5.5
Coffee	29.3	16.8	12.5
Colbert	14.0	7.7	6.3
Conecuh	53.0	39.4	13.6
Coosa	34.5	24.9	9.6
Covington	41.4	27.8	13.6
Crenshaw	65.6	27.0	38.6
Cullman	42.7	34.6	8.1
Dale	22.6	11.1	11.5
Dallas	65.7	34.0	31.7
DeKalb	26.4	17.8	8.6
Elmore	35.1	25.5	9.6
Escambia	43.7	30.6	13.1
Etowah	18.8	12.1	6.7
Fayette	33.1	20.3	12.8
Franklin	24.4	11.9	12.5
Geneva	18.6	10.3	8.3
Greene	24.7	15.5	9.2
Hale	26.8	16.7	10.1
Henry	25.9	11.2	14.7
Houston	22.1	10.9	11.2

Table 16.--Annual cut of sawtimber[1/] by county, 1951 (continued)

County	All species	Softwood	Hardwood
	Million bd. ft. (International 1/4-inch log rule)		
Jackson	41.6	14.0	27.6
Jefferson	49.8	35.0	14.8
Lamar	24.8	12.0	12.8
Lauderdale	14.6	4.8	9.8
Lawrence	18.9	10.3	8.6
Lee	24.1	16.4	7.7
Limestone	8.7	2.8	5.9
Lowndes	25.5	14.4	11.1
Macon	19.4	11.3	8.1
Madison	13.4	3.3	10.1
Marengo	84.4	43.3	41.1
Marion	25.5	15.3	10.2
Marshall	15.5	9.7	5.8
Mobile	45.4	36.4	9.0
Monroe	90.6	61.3	29.3
Montgomery	37.8	16.0	21.8
Morgan	17.2	8.6	8.6
Perry	31.0	23.9	7.1
Pickens	54.3	25.9	28.4
Pike	36.3	15.8	20.5
Randolph	16.6	11.6	5.0
Russell	19.9	13.5	6.4
St. Clair	24.0	17.7	6.3
Shelby	35.6	25.9	9.7
Sumter	52.7	31.8	20.9
Talladega	21.4	15.2	6.2
Tallapoosa	29.6	20.2	9.4
Tuscaloosa	68.1	37.8	30.3
Walker	41.6	32.2	9.4
Washington	63.0	44.9	18.1
Wilcox	86.0	58.7	27.3
Winston	34.8	23.7	11.1
Total	2,510.1	1,563.1	947.0

1/ The board-foot volume of live sawtimber trees removed from commercial forest land during a specified year as timber products and logging residue. Softwood sawtimber trees are at least 9.0 inches in diameter at breast height; hardwoods, 11.0 inches.

Table 17.--Annual cut of growing stock[1/] by county, 1951

County	All species	Softwood	Hardwood
	Million cubic feet		
Autauga	3.6	2.0	1.6
Baldwin	21.7	15.4	6.3
Barbour	10.5	6.6	3.9
Bibb	8.5	6.3	2.2
Blount	7.0	5.7	1.3
Bullock	5.2	3.0	2.2
Butler	17.6	12.1	5.5
Calhoun	3.8	2.5	1.3
Chambers	6.0	4.2	1.8
Cherokee	4.9	2.8	2.1
Chilton	6.6	4.3	2.3
Choctaw	20.2	13.5	6.7
Clarke	32.6	21.1	11.5
Clay	5.2	3.4	1.8
Cleburne	4.1	2.8	1.3
Coffee	7.5	4.5	3.0
Colbert	3.1	1.5	1.6
Conecuh	11.6	8.4	3.2
Coosa	8.4	6.2	2.2
Covington	9.8	6.7	3.1
Crenshaw	14.4	5.8	8.6
Cullman	9.2	7.0	2.2
Dale	5.4	2.7	2.7
Dallas	15.2	8.0	7.2
DeKalb	6.1	3.7	2.4
Elmore	9.1	6.8	2.3
Escambia	10.2	7.4	2.8
Etowah	4.6	2.8	1.8
Fayette	8.7	5.6	3.1
Franklin	5.3	2.4	2.9
Geneva	4.3	2.3	2.0
Greene	5.6	3.5	2.1
Hale	6.3	4.0	2.3
Henry	5.8	2.6	3.2
Houston	5.1	2.4	2.7

Table 17.--Annual cut of growing stock[1/] by county, 1951 (continued)

County	All species	Softwood	Hardwood
	Million cubic feet		
Jackson	9.3	2.8	6.5
Jefferson	12.8	8.0	4.8
Lamar	5.6	2.6	3.0
Lauderdale	3.5	1.0	2.5
Lawrence	4.2	2.0	2.2
Lee	6.8	4.9	1.9
Limestone	2.2	.6	1.6
Lowndes	6.5	3.9	2.6
Macon	5.3	3.3	2.0
Madison	3.3	.7	2.6
Marengo	19.7	10.3	9.4
Marion	6.3	3.6	2.7
Marshall	3.9	2.2	1.7
Mobile	13.7	11.4	2.3
Monroe	20.7	14.2	6.5
Montgomery	9.5	4.7	4.8
Morgan	4.0	1.8	2.2
Perry	7.2	5.5	1.7
Pickens	12.2	5.9	6.3
Pike	8.5	3.9	4.6
Randolph	4.1	2.8	1.3
Russell	4.8	3.2	1.6
St. Clair	5.8	4.3	1.5
Shelby	8.4	6.1	2.3
Sumter	12.0	7.2	4.8
Talladega	5.1	3.5	1.6
Tallapoosa	7.5	5.2	2.3
Tuscaloosa	17.0	10.3	6.7
Walker	9.5	7.1	2.4
Washington	16.1	12.2	3.9
Wilcox	19.4	13.4	6.0
Winston	7.2	4.7	2.5
Total	595.3	373.3	222.0

1/ The cubic-foot volume of live sawtimber and poletimber trees removed from commercial forest land during a specified year as timber products and logging residue. Poletimber trees are at least 5.0 inches in diameter at breast height.